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NOTICE OF ALLOWANCE AND FEE(S) DUE

27182

7590

03/11/2005

PRAXAIR, INC. LAW DEPARTMENT - M1 557 39 OLD RIDGEBURY ROAD DANBURY, CT 06810-5113

EXAMINER					
LEUNG, RI	CHARD L				
ART UNIT	PAPER NUMBER				

3744 DATE MAILED: 03/11/2005

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/812,174	03/30/2004	Arun Acharya	D-21413	3355

TITLE OF INVENTION: CRYOCOOLER SYSTEM WITH FREQUENCY MODULATING MECHANICAL RESONATOR

	APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional		NO	\$1400	\$300	\$1700	06/13/2005

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.
- B. If the status above is to be removed, check box 5b on Part B Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.
- II. PART B FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.
- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (703) 746-4000

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

maintenance fee notificati CURRENT CORRESPONDE		(Note: Use Block 1 for a	any change of address)			Note: A certificate of	mailing can only be used fo	r domestic mailings of the
						Fee(s) Transmittal. Th	mailing can only be used fo	or any other accompanying
27182	7590	03/11/2005				have its own certificat	al paper, such as an assignme e of mailing or transmission.	nt or formal drawing, must
PRAXAIR, INC	C.					Cei	rtificate of Mailing or Trans	mission
LAW DEPARTM	IENT - M	11 557				I hereby certify that the	nis Fee(s) Transmittal is being	deposited with the United
39 OLD RIDGEBURY ROAD					I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (703) 746-4000, on the date indicated below.			
DANBURY, CT 06810-5113 transmitted to the USPTO (703) 746-4000, on the date indicates the user of the						(Depositor's name)		
								(Signature)
								(Date)
APPLICATION NO.	FIL	ING DATE	 	FIRST NAME	D INVEN	ITOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/812,174	0:	3/30/2004		Arun A	charya		D-21413	3355
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LEUNG,	RICHARD	L	3744			062-006000	J	,
1. Change of corresponder	nce address of	or indication of "Fe	e Address" (37	2. For prin	nting on	the patent front page, li	st	
CFR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.				(1) the names of up to 3 registered patent attorneys or agents OR, alternatively,				
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"Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.				(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.				
3. ASSIGNEE NAME AN	ND RESIDE	NCE DATA TO B	E PRINTED ON T	L THE PATENT	Γ (print	or type)		
PLEASE NOTE: Unle recordation as set forth	ess an assign in 37 CFR 3	ee is identified be 3.11. Completion of	low, no assignee of this form is NO	data will app T a substitute	ear on t	he patent. If an assign g an assignment.	nee is identified below, the d	ocument has been filed for
(A) NAME OF ASSIG	NEE		(B) RESIDENC	CE: (CIT	Y and STATE OR CO	UNTRY)	
Please check the appropria	ate assignee	category or category	ries (will not be no	inted on the m	ostant) ·	□ Individual □ C	orporation or other private gro	our artitu D Courses
4a. The following fee(s) as		category or categor		. Payment of		— individual — C	orporation of other private gre	Sup chiny — Government
Issue Fee				_ *	` '	nount of the fee(s) is er	nclosed	
Publication Fee (No	small entity	v discount permitte	d)	Payment by credit card. Form PTO-2038 is attached.				
Advance Order - # of Copies				The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form).				
5. Change in Entity State	`		,	_		·		
a. Applicant claims							LL ENTITY status. See 37 Cl	
The Director of the USPTONOTE: The Issue Fee and interest as shown by the re	O is requeste Publication cords of the	ed to apply the Issu Fee (if required) w United States Pate	e Fee and Publica vill not be accepted int and Trademark	tion Fee (if ar I from anyone Office.	ny) or to e other t	re-apply any previous han the applicant; a reg	ly paid issue fee to the applica istered attorney or agent; or th	tion identified above. ne assignee or other party in
Authorized Signature _					_	Date		
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Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571) 272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.